

THERON PATRICK

(508)-742-8001 | therondevelopment@gmail.com
theron.dev | github.com/theronpatrick

SUMMARY

Frontend technology leader with 10+ years of experience architecting and delivering scalable web applications. Expert in transforming complex technical challenges into high-performance user experiences, from modernizing legacy systems to implementing cutting-edge AI solutions. Proven track record in taking projects from planning to production, successfully launching consumer-facing products, and mentoring engineering teams. Deep expertise in TypeScript and React with a focus on resilient, high-performance applications used by millions of users across global markets.

TECHNICAL SKILLS

Languages: CSS, Freemarker, HTML, JavaScript, TypeScript

Frameworks: Express, Next.js, Node.js, React, Remix, Vue.js

Tools: Babel, Cursor, Docker, ESLint, Git, Gulp, Jenkins, Jest, Jira, NPM, React Testing Library, Vite, VSCode, Webpack, Yarn, Yarn Workspaces, Yalc

Platforms: AWS, Google Cloud

AI/ML: Amazon Bedrock, ChatGPT, Claude, Large Language Models (LLMs), Ollama, OpenAI, Prompt Engineering, RAG Systems

API Integrations: Facebook, Google Ad Manager, Google Auth, Google Maps, Google Publisher Tags, Imgur, Twitter, YouTube

Databases: MongoDB, MySQL, PostgreSQL, Snowflake

Design: Figma, Illustrator, Photoshop, Sketch

Mobile: Native Android apps (Java), Native iOS apps (Swift), React Native

EDUCATION

Boston College - Carroll School of Management, 2012

Bachelor of Science - Computer Science & Information Systems

PROFESSIONAL EXPERIENCE

CarGurus (2018-Present)

Principal Software Development Engineer, Technical Lead (2023-Present)

Technical Lead (2021-2023)

Senior UI/UX Engineer (2018-2021)

- Architected and led platform modernization initiative transforming legacy jQuery codebase to modern React/Redux architecture, resulting in improved developer efficiency and 65% faster page load times
- Designed and implemented comprehensive code splitting strategy, utilizing micro frontends to reduce critical page bundle size from 2MB to 300KB, improving user experience and Core Web Vitals scores
- Led ad technology infrastructure revamp powering millions in annual revenue, independently scoping project milestones and key objectives. Collaborated with product leaders to define project roadmap, establish clear timelines, and communicate updates to cross-functional teams, ensuring alignment throughout A/B testing and launch phases.
- Worked with product and design leaders to deliver A/B tests for product improvements to vehicle detail pages. Collaborated with analytics team to determine impact of changes, and eventually rolled them out to production, contributing to double digit conversion rate wins resulting in millions of dollars of additional revenue for the business
- Facilitated regular alignment meetings with senior engineering leaders to address technical challenges related to a major overhaul of core search infrastructure. Coordinated cross-functional teams, delegating tasks to ensure parallel problem-solving while maintaining alignment on objectives, timelines, and progress.
- Identified and shipped improvements to AI-powered vehicle search chatbot which resulted in an 8x increase in core user engagement
- Implemented user feedback analytics system with Snowflake integration that improved AI prompting accuracy and user engagement.
- Key contributor to engineering team growth through technical interviews and assessments, resulting in 12+ successful hires
- Mentored junior developers with structured guidance leading to multiple promotions to higher engineering levels
- Developed prototype car identification system leveraging Amazon Bedrock for visual AI recognition that streamlined user search experience
- Established frontend architecture best practices and technical documentation standards now used across the organization

Happie (2016-2017) - Senior Software Engineer

- Collaborated directly with CEO to deliver features through flexible architecture that adapted to evolving business requirements
- Implemented automated code review processes and CI/CD pipelines

- Mentored junior developers through pair programming and code reviews

VitalSource Technologies (2013-2016) - *Software Engineer*

- Developed full-stack Node.js applications emphasizing scalability for educational platform
- Implemented responsive design patterns and accessibility standards across product suite

Fidelity Investments (2012) - Software Engineering Associate

- Contributed as software engineering associate in the LEAP development program

INDEPENDENT PROJECTS

Theron's Cross-Country Extravaganza: Interactive web application showcasing cross-country adventure with 33+ national parks. Features complex data visualization and API integrations (YouTube, Imgur). <https://theron.dev/roadtrip>

Taetro Mobile App: Developed and launched iOS application with social features and audio production capabilities available on the App Store

PERSONAL

Guitar player, singer, and Latin dance enthusiast. Avid road tripper who has explored 45+ national parks. Sports fan, basketball player, and occasional karaoke performer.